

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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1. The Gheorghe Dimitrov Railroad Rolling Stock Factory at Arad was first constructed in 1892. The first passenger car was delivered in 1892, the first freight car in 1893, the first steam locomotive in 1897, and the first motor coach (trolley) in 1904. The products of the factory were exported to Austria, Hungary, Serbia, Bulgaria, and Russia. In addition to 26 types of passenger cars, and 60 types of freight cars, the factory has constructed various types of special cars, including the following: dining coaches, refrigerator cars, streetcars, snow ploughs, heating cars for trains, cars for the transportation of live poultry and stock, luxury club cars, chemical tank cars, self-unloading cars, baggage cars, postal cars, heavy-duty cars for pig iron and liquid slag transport, for castings, for coke and ore dust, and special tank cars.
2. As of August 1955 the Gheorghe Dimitrov factory covered an area of 330,000 square meters and employed 3,000 workers, a number which could be increased to 5,000.
3. The foundry of the plant is equipped with various cupola, flame and electric furnaces, equipment for forming and dressing sand, traveling cranes up to 10 metric tons in capacity, a sand blast installation, and a laboratory for checking hardness, carbon and sulphur content, etc.
4. The forge contains 14 different furnaces, a 10-ton traveling crane, an 800-ton hydraulic press with a table three meters long, and several eccentric and friction presses from 200 to 1,000 metric tons' capacity.
5. The spring plant turns out volute, spiral, and leaf springs and is equipped with the necessary furnaces, machines, and testing installations.
6. The general mechanics plant covers approximately 3,000 square meters and is equipped with some 100 machines and with traveling cranes of a capacity up to five metric tons.

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7. The carpentry shop covers over 8,000 square meters and contains nearly 60 different units of machinery, including a sawdust and shavings filter. The timber yard is equipped to dry 1,200 cubic meters of lumber per month.
8. The car assembly plant covers over 30,000 square meters and consists of two assembly shops measuring 316 meters by 33 meters. Five assembly lines are maintained. The plant contains over 100 electric and autogenous welding machines, both hand-operated and automatic; a zinc plating installation; a nickel plating installation; shears of from 10 x 5,000 to 25 x 2,000 and a folding and trimming machine, 10 x 4,000 millimeters. The plant is equipped with 10 traveling cranes with capacities from five to 25 metric tons, a 100-mm. x-ray machine, and an apparatus for the magnetic detection of fissures in welded joints. The plant produces 100 to 150 welded all-metal passenger cars and 1,000 to 1,500 freight cars per year. Most of the rolling stock meets RIV, RIC, and UIC standards.
9. The bogie plant covers approximately 5,000 square meters and is equipped with a gantry milling machine (1,25 by 3 meter table), 30 electric and autogenous welding machines, and various traveling cranes with a capacity up to 7.5 metric tons.
10. The brake plant covers approximately 1,200 square meters and can turn out approximately 2,000 brakes per year as well as parts for rolling stock heating equipment.
11. The central laboratories are equipped with modern research and control apparatus, including tearing machines, hardness-testers, metallographic microscopes, polarographs, and various ovens. The drafting bureau occupies 600 square meters. The factory also has a training staff which graduates approximately 200 apprentices yearly. Special classes for the factory's technical staff are also held and some 150 persons, including foremen, norm clerks, statisticians, and bookkeepers, pass through these courses every year. In addition, about 10 employees of the factory take various courses with a view toward attaining engineering degrees.
12. The factory has a two-story workers' club with a floor space of 2,000 square meters. It includes a library and a theater. Also included in the factory's facilities are a day nursery for some 120 children, a canteen, a dispensary, and a hospital staffed by 10 doctors.
13. Production of the George Dimitrov Factory:

1945 to 1955

Passenger cars: 217
 Freight cars : 6,581
 Industrial rolling stock: 436
 Club cars : r

Of the total number of freight cars manufactured, 2,297 were sent to the USSR and 26 to Bulgaria.

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